

For Research Use Only

# XAB2 Polyclonal antibody

Catalog Number: 10637-1-AP

Featured Product

3 Publications



## Basic Information

**Catalog Number:**

10637-1-AP

**Size:**

500 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG0999

**GenBank Accession Number:**

BC007208

**GeneID (NCBI):**

56949

**UNIPROT ID:**

Q9HCS7

**Full Name:**

XPA binding protein 2

**Calculated MW:**

100 kDa

**Observed MW:**

100 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:200-1:1000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

## Applications

**Tested Applications:**

IP, WB, ELISA

**Cited Applications:**

WB, IF

**Species Specificity:**

human

**Cited Species:**

human

**Positive Controls:**

WB : K-562 cells, HeLa cells

IP : K-562 cells,

## Background Information

XPA-binding protein 2 (XAB2) a tetratricopeptide repeat protein involved in transcription-coupled DNA repair and transcription. XAB2 is involved in pre-mRNA splicing, transcription, and transcription-coupled DNA repair, leading to preimplantation lethality, and is essential for mouse embryogenesis. It interacts with Cockayne syndrome groups A and B (CSA and CSB) proteins and RNA polymerase II, which are known to be involved in transcription-coupled repair (TCR) and transcription, and that the antibodies against XAB2 protein inhibited the recovery of RNA synthesis after UV irradiation and normal RNA synthesis when microinjected into living fibroblasts.

## Notable Publications

Author	Pubmed ID	Journal	Application
Shuai Hou	27735937	Cell Death Dis	WB,IF
Shuai Hou	31216022	Nucleic Acids Res	WB
Lei Haixin H	23275560	Nucleic Acids Res	WB

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

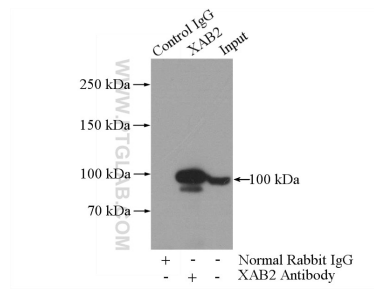
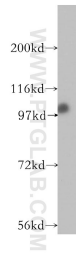
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## Selected Validation Data



K-562 cells were subjected to SDS PAGE followed by western blot with 10637-1-AP (XAB2 antibody) at dilution of 1:0 incubated at room temperature for 1.5 hours.

IP result of anti-XAB2 (IP:10637-1-AP, 4ug; Detection:10637-1-AP 1:200) with K-562 cells lysate 3200ug.